

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 G06F3/033

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
IPC 7 G06F

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ, IBM-TDB, INSPEC

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	EP 0 987 616 A (PENNY & GILES COMPUTER PRODUCT) 22 March 2000 (2000-03-22) paragraph [0006] - paragraph [0009] paragraph [0018] paragraph [0026]; figures	1,2,18, 19
E	WO 03/065194 A (TAMAGAWA SEIKI CO LTD ; HAMA NOBUHARU (JP); NAKAYAMA KIICHI (JP)) 7 August 2003 (2003-08-07) the whole document	1,2,6
E	WO 03/069460 A (TAMAGAWA SEIKI CO LTD ; HAMA NOBUHARU (JP)) 21 August 2003 (2003-08-21) the whole document	1,2,6
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☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

* Special categories of cited documents :

"A" document defining the general state of the art which is not considered to be of particular relevance

"E" earlier document but published on or after the international filing date

"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

"O" document referring to an oral disclosure, use, exhibition or other means

"P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

"&" document member of the same patent family

Date of the actual completion of the international search

4 May 2004

Date of mailing of the international search report

17. 06. 2004

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Durand, J

INTERNATIONAL SEARCH REPORT

International Application No.

PCT/GB 03/00869

C.(Continuation) DOCUMENTS CONSIDERED RELEVANT		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	EP 0 573 018 A (SYMBOL TECHNOLOGIES INC) 8 December 1993 (1993-12-08) column 6, line 18 - line 21 column 9, line 25 - line 37; figures 1-3 -----	1,2,5
A	US 4 404 865 A (KIM SNYG N) 20 September 1983 (1983-09-20) column 6, line 17 - line 23; figure 3 -----	8
A	US 5 288 993 A (ARREGUIT JAVIER ET AL) 22 February 1994 (1994-02-22) the whole document -----	1

INTERNATIONAL SEARCH REPORT

International Application No.
PCT/93/00869

Box I Observations where certain claims were found unsearchable (Continuation of item 1 of first sheet)

This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. ☐ Claims Nos.:
because they relate to subject matter not required to be searched by this Authority, namely:
2. ☒ Claims Nos.: 38
because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:
see FURTHER INFORMATION sheet PCT/ISA/210
3. ☐ Claims Nos.:
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

Box II Observations where unity of invention is lacking (Continuation of item 2 of first sheet)

This International Searching Authority found multiple inventions in this International application, as follows:

see additional sheet

1. ☐ As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.
2. ☐ As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. ☐ As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:
4. ☒ No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:
1-10, 18, 19

Remark on Protest

- ☐ The additional search fees were accompanied by the applicant's protest.
☐ No protest accompanied the payment of additional search fees.

FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

Continuation of Box I.2

Claims Nos.: 38

The wording of claim 38 presently on file renders it impossible to determine the matter for which protection is sought. The present application fails to comply with the clarity and conciseness requirements of Article 6 PCT (see also Rule 6.2(a) PCT) to such an extent that a meaningful search is impossible. Consequently, the search has been restricted to those parts of the application which do appear to be clear and concise, namely claims 1 to 37.

The applicant's attention is drawn to the fact that claims relating to inventions in respect of which no international search report has been established need not be the subject of an international preliminary examination (Rule 66.1(e) PCT). The applicant is advised that the EPO policy when acting as an International Preliminary Examining Authority is normally not to carry out a preliminary examination on matter which has not been searched. This is the case irrespective of whether or not the claims are amended following receipt of the search report or during any Chapter II procedure. If the application proceeds into the regional phase before the EPO, the applicant is reminded that a search may be carried out during examination before the EPO (see EPO Guideline C-VI, 8.5), should the problems which led to the Article 17(2) declaration be overcome.

FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

This International Searching Authority found multiple (groups of) inventions in this international application, as follows:

1. claims: 1-10, 18, 19

trackball wit sealed component chamber

2. claims: 11-17, 20-37

trackball with optical sensors mounted at an angular
position relatively to the ball diameter normal to the
mounting plane

Patent document cited in search report		Application date		Patent family member(s)	Publication date
EP 0987616	A	22-03-2000	GB	2341439 A	15-03-2000
			EP	0987616 A2	22-03-2000
WO 03065194	A	07-08-2003	WO	03065194 A1	07-08-2003
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			DE	69331614 D1	04-04-2002
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